



OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/087,402

DATE: 03/20/2002

TIME: 11:33:51

Input Set : A:\428120.txt

Output Set: N:\CRF3\03202002\J087402.raw

```

4 <110> APPLICANT: The Iams Company
5     Davenport, Gary Mitchell
6     Matthews, Jamie Clyde
8 <120> TITLE OF INVENTION: Compositions and Methods for Increasing Amino Acid
Absorption in Mammals
11 <130> FILE REFERENCE: 1448.009US1
C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/087,402
C--> 13 <141> CURRENT FILING DATE: 2002-03-01
13 <150> PRIOR APPLICATION NUMBER: US 60/273,263
14 <151> PRIOR FILING DATE: 2001-03-02
16 <150> PRIOR APPLICATION NUMBER: US 60/344,088
17 <151> PRIOR FILING DATE: 2001-12-26
19 <160> NUMBER OF SEQ ID NOS: 21
21 <170> SOFTWARE: FastSEQ for Windows Version 4.0
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 3045
25 <212> TYPE: DNA
26 <213> ORGANISM: Homo sapiens
28 <400> SEQUENCE: 1
29 gaatgtccaa atcacacagt ttcttttggt atccctgag catcttcttc atcgtggtea      60
30 atgagttttg cgaaagattt tctactatg gaatgcgagc aatcctgatt ctgtacttca      120
31 caaatttcat cagctgggat gataacctgt ccaccgccat ctaccatacg tttgtggctc      180
32 tgtgtacctg gacgccaat ctgggagctc ttatgcgcga ctcgtggctg ggaaagtcca      240
33 agaccattgt gtcgtctccc attgtctaca caattggaca agcagtcacc tcagtaagct      300
34 ccattaatga cctcacagac cacaaccatg atggcaccce cgacagcctt cctgtgcacg      360
35 tgggtgctgt cttgatcggc ctggccctga tagctctcgg gactggagga atcaaacctt      420
36 gtgtgtctgc gtttggtgga gatcagtttg aagagggcca ggagaaacaa agaaacagat      480
37 ttttttccat cttttaactg gctattaatg ctggaagttt gctttccaca atcatcacac      540
38 ccattgctcag agttcaacaa tgtggaattc acagtaacaa agcttgttac ccaactggct      600
39 ttgggggttc tctgtctctc atggctgtag cctgattgtt gtttgtctt ggacgtggga      660
40 tgtacaagaa gttcaagcca cagggcaaca tcatgggtaa agtggccaag tgcacgggt      720
41 ttgccatcaa aaatagattt aggcacgga gtaaggcatt tcccaagagg gagcactggc      780
42 tggactgggc taaagagaaa taogatgagc ggtcctctc ccaaattaag atggttaaga      840
43 gggatgatgt cctgtatatt ccactcccaa tgttctgggc cttgtttgac cagcagggt      900
44 ccagggtggc actgcaggca acaactatgt ccgggaaaaat cggagctctt gaaattcagc      960
45 ccgacagat gcagacgtg aacggccatc tgatcgtgat catgggtccc atcttcgatg      1020
46 ctgtgtctga cctctcatt gcaaaatgtg gcttcaattt cactccttg aagaagatgg      1080
47 cagttggcat ggtcctggcc tccatggcct ttgtggtggc tgccatcgtg caggtggaaa      1140
48 tcgataaaac tcttccagtc tccccaaaag gaaacgaagt ccaaattaaa gttttgaata      1200
49 taggaaacaa taccatgaat atatctcttc ctggagagat ggtgacactt ggcccaatgt      1260
50 ctcaaacaaa tgcatttatg acttttgatg taaacaaact gacaaggata aacatttctt      1320
51 ctctggatc accagtcact gctgtaactg acgacttcaa gcagggccaa cgcacacgc      1380
52 ttctagtgtg ggcccccaat cactaccagg tggtaaagga tggctttaac cagaagccag      1440
53 aaaaaggggg aaatggaatc agatttgtaa atacttttaa cgagctcact accatcacaa      1500

```

RAW SEQUENCE LISTING

DATE: 03/20/2002

PATENT APPLICATION: US/10/087,402

TIME: 11:33:51

Input Set : A:\428120.txt

Output Set: N:\CRF3\03202002\J087402.raw

```

54 tgagtgggaa agtttatgca aacatcagca gctacaatgc cagcacatac cagtttttttc 1560
55 cttctggcat aaaaggcttc acaataagct caacagagat tccgccacaa tgtcaaccta 1620
56 atttcaatac ttctacctt gaatttggtg gtgcttatac ctatatagtc caaaggaaga 1680
57 atgacagctg cctgaagtg aaggtgtttg aagatatttc agccaacaca gttaacatgg 1740
58 ctctgcaaatt cccgcagtat ttctcttctca cctgtggcga agtgggtcttc tctgtcacgg 1800
59 gattggaatt ctcatattct caggctcctt ccaacatgaa gtccgtgctt caggcaggat 1860
60 ggctgctgac cgtggctgtt ggcaacatca ttgtgctcat cgtggcaggg gcaggccagt 1920
61 tcagcaaaaca gtgggccgag tacattctat ttgcgcgtt gctcttggtc gtctgtgtaa 1980
62 tttttgccat catggctcgg ttctatactt acatcaaccc agcggagatc gaagctcaat 2040
63 ttgatgagga tgaaaagaaa aacagactgg aaaagagtaa cccatatttc atgtcagggg 2100
64 ccaattcaca gaaacagatg tgaaggctag gaggcaagtg gaggatggac tgggcccgca 2160
65 gatgccctga cctctgcccc caggtagcag gacactccat tggatggccc ctgatgagga 2220
66 agacttcaga attgggaact aaaccatgaa tgctattttc ttttttcttt ttcttttctt 2280
67 tttttttttt tttttttttt tgagacagag ttttgetctt gttgtccagg ctggagtgca 2340
68 atggcacgat ctgagctcac tgcaacctcc gctcccagg ttcaagtaat tctcctgctt 2400
69 cagcctcccg agtggctggg attagcggca tgcaccacca cgcgccagta tttttgtatt 2460
70 tttagtagag atggggtttc accatgttgg ccaggatggg ctgatctctt tgacctgggtg 2520
71 atctgcccac ctccgctgc caaagtgcgt ggattacagg cttgagctac cgcgccggc 2580
72 cgtgaacgct attttctaag cagccagcag tgaatctaaa actctggaag aagtcttctg 2640
73 tttgaaaggc ttatttaagc cacacgtaca cacactgtct tagagtactg tgagcccacc 2700
74 ccacattggg catcttccct atcacacaaa tgatgttatt ttggactagc ttaattttga 2760
75 aatggtaaca aagtttctta ttccatactg ttcatattta atactcttac gaaaactatt 2820
76 cttaaaggagg caggagccaa ggccaaaagt gaacgtacag gtttgaaatg gctgtgataa 2880
77 ggaccagctg gtattaaactg ataactttac ctttgggttt ttgttatttt gtttttctag 2940
78 tccctacctg tgtttaaatt atggataact cgaaagacag ctccaggtgaa ggccagtaat 3000
79 gatttttttg aagtttcaat ggtgtgaaat aaatttctgt tctta 3045
81 <210> SEQ ID NO: 2
82 <211> LENGTH: 2829
83 <212> TYPE: DNA
84 <213> ORGANISM: Ovis aries
86 <400> SEQUENCE: 2
87 gaaacaacat ctttagcagc gattcctccc aactggaact ctcgctcgcc agtcgcaggg 60
88 agccctcgga gccgccagca tgggaatgtc cgtgcggaag agctgcttcg gttaccctt 120
89 aagcatcttc ttcatcgtgg tcaatgagtt ctgcgaaagg ttctcttact atggaatgag 180
90 agcaactctg atcctgtact tccaaagtgt cctgggctgg aacgacaacc tgggcaccgc 240
91 catctatcac acgttcgtcg cctgtgcta cctgaagccc atcctcggag ctctcatcgc 300
92 cgactcctgg ctggggaagt tcaagacgat cgtgtcgtcg tccatcgtct acaccattgg 360
93 gcaggtagtc atcgtgtgta gctcaattaa tgacctcaat gacttcaacc atgatggaac 420
94 cccaaacaat atttctgtgc acgtggcaact ctccatgatt ggcttggtec tgatagctct 480
95 gggtagccga gggataaagc cttgcgtgtc tgcatttggc ggagatcagt ttgaagaggg 540
96 ccaggaaaag caaaggaaca gatttttttc catcttttat ttggccatta atgctggaag 600
97 tttgctttct actatcatca cccccatgct cagagttcag gtatgcggaa ttcacagtaa 660
98 gcaagcttgt taccctctgg cctttggggt tctgtctgca ctcatggctg tatctctgat 720
99 cgtgtttgtc attggcagtg gaatgtacaa gaaqgtccag cccagggtg acatcatgtc 780
100 taaagttgcc aggtgcattg ggtttgccat caaaaatagg attagccatc ggagtaagaa 840
101 atttccaaag agggagcaact ggttggaact ggttagcgag aaatatgatg agcggctcat 900
102 ctctcaaat aagatggtta caaggtgat gttcctgtac attcctctcc ccattgtctg 960
103 ggcttgttt gatcagcagg gctccagggt gacactgcaa gcaacgacca tgagtgggaa 1020
104 gattggaatc attgaaatcc agccggatca gatgcagacg gtgaacgcca tctgatcgt 1080

```

RAW SEQUENCE LISTING

DATE: 03/20/2002

PATENT APPLICATION: US/10/087,402

TIME: 11:33:51

Input Set : A:\428120.txt

Output Set: N:\CRF3\03202002\J087402.raw

```

105 cgtcatggtc cccatcgtgg atgcccgtgg atatacctctg atcgcaaagt gtgggtttaaa 1140
106 ttccacctcc ctgaagaaga tgaccgtcgg catgtttctg gctcccatgg ctttcgtggc 1200
107 agctgccatc gtgcagggtg acattgacaa aactctgccc gtcttcccca aaggaaatga 1260
108 agtccaaatc aaagtcctga atataggaaa taatagcatg accgtgtctt ttcccggaac 1320
109 gacagtgaac tgtgaccaga tgtctcaaac aaacggattt ctgactttca acgtagacaa 1380
110 cctaagtata aacattttct ctactggaac accagtcact ccagtaactc ataactttga 1440
111 gtccggccat cgcataccc ttctcgtctg ggccccaaagt aactaccaag tggtaaaaga 1500
112 tggccttaac cagaagccag aaaaaggagg aaatggaatc agattcgtta atgcttttgg 1560
113 cgagagcttc ggcgtcacia tggatgggga agtttacaac aatgtctccg gtcacaatgc 1620
114 cagtgaatat ctttttttct cttctggcgt aaagagcttc acaataaact caccagagat 1680
115 ttcacaacag tgtgaaaaac agttcaaaac atcctacctt gaatttggtg gtgcgtttac 1740
116 ctatgtaatc agcagaaaag gtgacgggtt ccccgaaaca aagattttct aagacatctc 1800
117 ccccaacaca gtcagcatgg ctctgcagat ccccccagta ttcctcctca cctgtggcga 1860
118 ggtggtcttc tccatcaccc gcttgaggtt ctctattct caggtcctt ccaacatgaa 1920
119 gtcggtactt caggcaggat ggtggttgac cgtggccggt ggcaacatca tctgtcttat 1980
120 tgtggcagga gcaggccagt tcagtgaaca gtgggcccag tacgttctgt ttgcggcatt 2040
121 gcttctggtc gtctgcataa tatttgccat catggctcga ttctatacgt atgtcaacce 2100
122 cgcagagatt gaagctcagt ttgatgagga tgacaaggag gatgacctgg aaaagagtaa 2160
123 cccatacgcc aagctggact tctgtctaca gacacaaatg tgaatgtcag gaagcaagcg 2220
124 gacgcggggc tgggccaggg tgtgcccagg ggtctgtccc atgggggcag gacactctgt 2280
125 tgggtggcct ctgatgggga agacttcaga actgtggacc aaaccaagac agctgctttc 2340
126 tcagcagccg gcaatgaacc tgaaactcca aaagacgtcc ttttgtttgt ttgtttttag 2400
127 ayaagtctta tttaaagcgc acacacacgc acacgcacac acatgcacac acacacactt 2460
128 ttataagagt ccatactctg cctgaactcc ttttccaaac acacaaataa agttattttg 2520
129 gactaacttg aatttttgaa atggtggcca agctccatac gtgcattcgc acactctgtg 2580
130 caaacaatgt taaaggaggg aaaaagtga tgggtggggc ttttgaatag tacgtgttca 2640
131 taataaggac cggctgggat taactgataa ctctaccttc tgtttttagt tctgttttct 2700
132 cattccctac ctctttgtaa attatggatt aacctttgaa aaaccactca ggtaaaggca 2760
133 agtcatgatt tttggagtct caacggtatg aaataaactc tcattctcaa gaaaaaaaaa 2820
134 aaaaaaaaaa 2829
136 <210> SEQ ID NO: 3
137 <211> LENGTH: 2900
138 <212> TYPE: DNA
139 <213> ORGANISM: Rattus norvegicus
141 <400> SEQUENCE: 3
142 ctgaactcct gcttgccagt cgcgggtcag gagcctcgga gccgccacaa tggggatgtc 60
143 caagtctcgg ggttgctttg gctacccatt gagcatcttc ttcacgtgg tcaatgaatt 120
144 ctgtgaaaga ttctcctact atgggatgag agctctcctg gttctgtact tcaggaaactt 180
145 ccttggtctg gatgatgacc tctccacggc catctaccat acgtttgttg cctctgcta 240
146 cctgactcca attcttggag ctctgatcgc agactcgtgg ctggggaagt tcaagacaat 300
147 tgtctacta tccatcgtct acacgatcgg acaggccgct atctcagtga gctcaattaa 360
148 tgaccttaca gaccatgacc acgacggcag tcttaacaac ctctctttgc acgtagcact 420
149 gtccatgate ggccgtggcc tgatagccct tggtaacagga ggaatcaagc cctgtgtgtc 480
150 tgcatttggg gggtcctcgt ttgaagaggg tcaggaaaaa cagcgaacc ggtcttttct 540
151 catcttttat ttggtataca acgcagggaag cctgctctcc acgatcatca ctccatact 600
152 cagagttcag cagtgcggaa tccacagcca acaagcttgt taccactgg cctttggggg 660
153 tccggcagct ctcatggctg ttgcctaat tgtgtttgtc ctgggcagtg gaatgtacaa 720
154 gaagtttcag ccccgaggca acatcatggg caaagtggcc aagtgcattg gctttgccat 780
155 caaaaacagg ttccggcacc gaagtaaggc atttcccaag agggaacact ggctggactg 840

```

RAW SEQUENCE LISTING

DATE: 03/20/2002

PATENT APPLICATION: US/10/087,402

TIME: 11:33:51

Input Set : A:\428120.txt

Output Set: N:\CRF3\03202002\J087402.raw

```

156 ggctaaagag aaatacagatg agaggetcat ctgcagatt aagatggtga cgaagggtgat 900
157 gttectgtac attccccctcc ccatgttttg ggcttggtt gaccagcagg gttccagggtg 960
158 gacactgcaa gcaacgacca tgactgggaa aattggaaca attgagattc agccggacca 1020
159 gatgcagacg gtgaacgcca tcttgattgt catcatggtc cccattgtgg acgccgtggt 1080
160 gtatccgctc attgcaaaaat gtggtttcaa ctccacctcc ctgaagaaga tgaccgttgg 1140
161 gatgttcttg gcatccatgg cctttgtggt ggctgcaatt gtgcagggtg aaatcgataa 1200
162 aactcttcca gtcttcccca gcggaaatca agttcaaatt aaggctttga acattggaaa 1260
163 caatgacatg gccgtgtatt ttcttgaaa gaatgtgaca gttgcccata tgtctcagac 1320
164 agacacattc atgactttcg atgtagacca gctgacaagc ataaacgtgt cttctcccg 1380
165 atctccaggc gtcaccacgg tagctcatga gtttgagccg ggtcaccggc acacccttct 1440
166 agtgtggggc cccaatctat accgtgtggt aaaagacggt cttaaccaaa agccagagaa 1500
167 aggggagaa ggaatcagat tgcgcagcac ccttaacgag atgatcacca tcaaaatgag 1560
168 tggaaaagtg tacgaaaatg tcaccagtc cagcgccagc aactatcagt tttcccttc 1620
169 tggccaaaaa gactacacaa taaacaccac agagattgca ccaaactgtt catctgattt 1680
170 taaatcttcc aaccttgact tcggcagcgc gtacacctac gtgatcagaa gtagggcgag 1740
171 tgatggctgc ctggaagtga aggaattcga agacatccca cccaacacgg tgaacatggc 1800
172 cctgcagatc ccacagtact tctctctcac ctgcggcgag gtggtcttct ctgtcacagg 1860
173 actggagttc tctatttccc aggcccgctc taacatgaag tccgtgcttc aggcaggatg 1920
174 cttcttaacc gtggccatcg gtaatatcat tgtctcatt gtggtgagg caggccactt 1980
175 cgacaaacag tgggctgagt atgttctgtt cgcctccttg ctcctggctg tctgcatcat 2040
176 atttgccatt atggcccgat tctacacctc catcaacctc gcagagatcg aggcacagtt 2100
177 ccatgaggat gagaagaaaa agggcgtagg gaaggaaaac ccgtattcct cgttggaaac 2160
178 tctctcacag acaaacatgt gaagatcaga aagcaagtgg agaacatacc aagtcacgca 2220
179 ttcaccatga cctctgccc aaggacagga cctccacca cagagtcctt gctggagaaa 2280
180 gacttcagac atgtgagcca aaataataac aaagcaggtt ttcaggctga cggctgtgaa 2340
181 tctgaaactc taggggagcc tttttaattt gttttcttg agacaaggta tctctgtgta 2400
182 acctggcta tcttggaact cactctatag accaggettg cctcgaaactc acagatatct 2460
183 gtctgcctct gcctcctaag tactgggatt caaggcatgt acggcaactg cccagctaaa 2520
184 atattattta taacatgcac tttctgggtt tttgttttt aaaacatact ttttttttta 2580
185 acactgggac atttctaaca tttctgccac agaagtggat ttagctcaga ttaattttga 2640
186 aaaggttaaa gtactgtttt ttttcttaa tgctcttatg aaaacaatgt tgaattttaca 2700
187 gagggctttt ttagcagtggt gtagtgagtg tcagctgatt cgagctaata acctacctc 2760
188 ggggtttttt tttctttgtt ttcttggtct cctttgcctg acctcttttt aaattatgtg 2820
189 taattcaaaa gactattcaa gtgatggtta gtcatgagtc gtgaagtgtg actggtgtga 2880
190 agtaaatctt tgttcttaag
192 <210> SEQ ID NO: 4
193 <211> LENGTH: 3128
194 <212> TYPE: DNA
195 <213> ORGANISM: Mus musculus
197 <400> SEQUENCE: 4
198 gtgcgccgtc cggagccttg gagccaccac aatggggatg tccaagtctc ggggttgctt 60
199 cggttacccg ttgagcatct tcttctcgtt ggtcaatgaa ttctgtgaaa gattctccta 120
200 ctatggcctg cgaagcactcc tggttctgta ctccaggaac ttctcggctt gggacgacaa 180
201 tctctccaa ggcatttacc atactgttgt tgcctctgct taactgactc caattcttgg 240
202 agctctgata gcaactctgt ggtcggggaa gttcaagaca attgtttcac tatccatcgt 300
203 ctacacgatt ggacaagcag tcactctcgt gagctcaatt aatgacctca cagaccacga 360
204 ccacaatggc agtctcgaca gccttcccggt gaacgtagca ctgtccatgg ttggcctggc 420
205 cctgatagcc cttggtacag gaggaatcaa gccctgtgtg tctgcgtttg gtggcgatca 480
206 gtttgaagag ggtcaggaaa aacagcgaaa ccggttcttt tccatctttt atttgctat 540

```

RAW SEQUENCE LISTING

DATE: 03/20/2002

PATENT APPLICATION: US/10/087,402

TIME: 11:33:51

Input Set : A:\428120.txt

Output Set: N:\CRF3\03202002\J087402.raw

```

207 caacggggga agcctgctct ccacgatcat cactcccata ctcagagttc aacagtgcgg 600
208 aatccacagt caacaagctt gttacccaact ggccctcggg gttccagcgg ctctcatggc 660
209 tgttgcccta attgtgtttg tccctggcag tggaaatgtac aagaagttcc agccccaggg 720
210 caacatcatg ggcaaagtgg ccaagtgcac tggttttgcc atcaaaaaca ggtttcggca 780
211 ccgaagtaag gcataatcca agagggagca ctggctggac tgggctaaag agaaatacga 840
212 cgagcggctc atctcacaga ttaagatggg caggaagggt atgttctgt tcatcccact 900
213 ccccatgttc tggggcctgt ttgaccaaca aggggtccaga tggacactgc aagcaacgac 960
214 catgaatggg aaaattggag caaatgaaat tcagccggac cagatgcaga cggatgaatgc 1020
215 catcctgaat gtcaacaatg gccccaatgt ggacgcggtt gtgtaccgct caattgcaaa 1080
216 atgtggtttc aacttcacat cctgaagaa gatgactgtt gggatgttcc tggcgtccat 1140
217 ggccctttgt gtggctgcaa ttgtgcaggt ggaaatcgat aaaactcttc cagtcttccc 1200
218 tgggtgaaat caagtccaaa ttaaggtctt gaacatcggg aacaataaca tgaccgtgca 1260
219 ttttccctga aatagtgtga cgtttgcccc aatgtctcag acagacacgt tcatgacttt 1320
220 cgatatagac aagctgacaa gcataaacat atcttccctt ggatccccag gattcaccac 1380
221 agtaqctcat gattttgagc agggtcaccc gcacaacctt ctagtgtggg aaccagtcac 1440
222 ataccgtgtg gtaaaagatg gtccaaacca aaagccagag aaaggggaga acggaatcag 1500
223 gtttttcaac acccttaacg agatggtcac caacaaaatg agtgggaaaag tatatgaaaa 1560
224 attcacaagt cacaacgcaa gcggctacaa gtctcctccc tctggcgaaa agcagtacac 1620
225 aataaacacc acggcgggtg caccaaacct tctaaactgat tttaaatctt ccaaccttga 1680
226 cttttggcgc gcgtatacct acgtgatccg aagggcgagt gatggctgcc tggaaagtga 1740
227 ggaatttgaa gacatcccac ccaacactgt gaacatggct ctgcagatcc cacagtactt 1800
228 ccttctcacc tgcggcgagg tggctctctc tgctcacagg ctggagttct cttattccca 1860
229 ggctccgtct aacatgaagt ccgtgcttca ggcaggctgg cttctaactg tggcggtcgg 1920
230 caatatcatt gtgctcatcg tggcaggggc ggggcacttc cccaaacagt gggctgagta 1980
231 cattctgttt gctcattgc ttctggttgt ctgcgtgata ttcccatca tggctcgatt 2040
232 ctacacctac atcaaccacg cagagattga agcacagttt gatgaggatg agaagaaaaa 2100
233 gggcatagga aaggaaaaacc cgtattcttc attggaacca gtctcacaga caaatatgtg 2160
234 aagggcagaa ggcaaatttg agaaagatca agttcaacat gagccctgac ctctgtccaa 2220
235 gggacaggac actccaccac agagtccctg atggagaaag acctcagaag tgtgagccag 2280
236 aataataaca aagcaggttt tctaaccaac agctgtgaac ctgaaactct aggggagcct 2340
237 tttttattta aaaaaatttt ttttttaatt ttttaaatTT tttttatttt ttattttttt 2400
238 tcttgtttg tttgtttcga gacagggttt ctogtgtgta gcccttggtt gtccctggaac 2460
239 tcaactctga gaccagaact gacctaaact cagaaatcca cctgcccttg cccctgcccc 2520
240 tgcctctgcc cctgcccttg cctctgcctc tgcctcccaa gtgctggatt tggaggcatg 2580
241 caccaccatg cccagctata attttttttt ttaagacag ggattctctg tataagcctg 2640
242 actgccttg aacttgcct atagaccagg ctggccttga actcacagag atctgcctgc 2700
243 ctcttccctc taagtactgg gatttcaggc atgcaccaca actgccagc taaaatatta 2760
244 tttataatat gcactttctg gtttgttttt gttttcttt taaactgggc tgtatcttac 2820
245 atttctgcaa cagaaatgaa cttagctcag attaacttaa ttttgaaaag gcaatagtat 2880
246 tgttttttct aacagtttta tgaaaacaat attgaattta cagagggtt ttttaatagt 2940
247 gtgtaatgag tatcaactga ttcaagctaa ttgctttacc ttggggtttt tttgtttgtt 3000
248 tgtttggttg tttgtttgtt tgtttttcta gtctcctttg ccttacctct ttttaaatta 3060
249 tgtglaattc aaaagactag tcatgagttg tgaagtttca ctggtctgaa ataaattcta 3120
250 gttcttaa
252 <210> SEQ ID NO: 5
253 <211> LENGTH: 2709
254 <212> TYPE: DNA
255 <213> ORGANISM: Oryctolagus cuniculus
257 <400> SEQUENCE: 5

```

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/087,402

DATE: 03/20/2002

TIME: 11:33:52

Input Set : A:\428120.txt

Output Set: N:\CRF3\03202002\J087402.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application No

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date